

## AMENDMENTS TO THE SPECIFICATION

### IN THE SPECIFICATION:

Please amend the paragraph beginning on page 4, line 18, as follows:

--Figure 1 shows a steriliser comprising an ultraviolet lamp 10 enclosed by cylindrical enclosure 20. The cylindrical walls of the enclosure 20 form a waveguide and are comprised of quartz material which is transparent to UV radiation. The cylindrical walls of the enclosure 20 wholly surround the ultraviolet lamp 10. A conducting copper mesh 30 is provided to the inner surface of the waveguide. First end of the cylindrical enclosure has blocking end flange 22 provided thereto. The second end is provided with coupling flange 24 which couples with right angled waveguide 40 which in turn connects with rectangular waveguide 50. Magnetron 60 acts as a microwave energy source to feed microwaves into the rectangular waveguide 50, thence into the right angled waveguide 40 and finally to the ultraviolet lamp 10 which is excited thereby.--

Please amend the paragraph beginning on page 4, line 36, as follows:

--Figures 2a and 2b show related sanitisers herein. Both comprise ultraviolet mercury discharge lamp 110a, 110b enclosed by cylindrical enclosure 120a, 120b. The cylindrical walls of the enclosure 120a, 120b form a waveguide and are comprised of quartz material which is transparent to UV radiation. The cylindrical walls of the enclosure 120a, 120b wholly surround the ultraviolet lamps 110a, 110b, respectively. A conducting copper mesh 130a, 130b is provided to the inner surface of the waveguide. The enclosure 120a, 120b has air or nitrogen circulating therein. First end of the

cylindrical enclosure has blocking end flange 122a, 122b provided thereto. The second end is provided with coupling flange 124a, 124b which couples with water-tight chamber 150a, 150b which contains brass waveguide 140a, 140b and magnetron 160a, 160b. The magnetron 160a, 160b acts as a microwave energy source to feed microwaves into the brass waveguide 140a, 140b and thence to the ultraviolet lamp 110a, 110b which is excited thereby.--

Please amend the paragraph beginning on page 5, line 9, as follows:

--Figures 3a and 3b show sanitizers similar in structure to the sanitizers of Figures 2a and 2b but for use in air purification. Both comprise ultraviolet mercury discharge lamp 210a, 210b enclosed by cylindrical enclosure 220a, 220b. The cylindrical walls of the enclosure 220a, 220b form a waveguide and are comprised of quartz material which is transparent to UV radiation. The cylindrical walls of the enclosure 220a, 220b wholly surround the ultraviolet lamps 210a, 210b, respectively. A conducting copper mesh 230a, 230b is provided to the inner surface of the waveguide. The enclosure 220a, 220b has air or nitrogen circulating therein. First end of the cylindrical enclosure has blocking end flange 222a, 222b provided thereto. The second end is provided with coupling flange 224a, 224b which couples with air-tight chamber 250a, 250b containing brass waveguide 240a, 240b and magnetron 260a, 260b. The magnetron 260a, 260b acts as a microwave energy source to feed microwaves into brass waveguide 240a, 240b and thence to the ultraviolet lamp 210a, 210b which is excited thereby.--

Please amend the paragraph beginning on page 5, line 31, as follows:

--Figure 4 shows a cabinet steriliser herein suitable for use in sterilising objects such as medical instruments. Ultraviolet mercury discharge lamp 310 is enclosed by cylindrical enclosure 320. The cylindrical walls of the enclosure 320 form a waveguide and are comprised of quartz material which is transparent to UV radiation but only partially transparent to microwave radiation. The cylindrical walls of the enclosure 320 wholly surround the ultraviolet lamp 310. A conducting copper mesh 330 is provided to the inner surface of the waveguide. The enclosure 320 optionally has air or nitrogen circulating therein. First end of the cylindrical enclosure has blocking end flange 322 provided thereto. The second end is provided with coupling flange 324 which couples with linear pathguide 340 which in turn connects with magnetron 360. The magnetron 360 acts as a microwave energy source to feed microwaves into pathguide 340 and thence to the ultraviolet lamp 310 which is excited thereby.--